

CLAIMS

1. Shaft-hub connection (1) between a shaft segment (2), which has one central toothed segment B, the same as adjacent centering segments A, C, and a stepped hole (11) in the hub (3), shaft (2) and hub (3) being jointed in axial direction X and, to produce a positive fit (5), a counter profile is cut in the hub (3) by the toothed segment B, wherein the front centering segment A in joint direction has a diameter d_1 and the toothed segment B, the same as the rear centering segment C lying in joint direction, has a diameter d_2 larger than d_1 , characterized in that the hole (11) has only two adjacent segments I, II with different diameters D_1 and D_2 , that the diameter d_1 in the segment A with the diameter D_1 , the same as the diameter d_2 in the segment C with the diameter D_2 , forms a respective joint fit and the diameter d_2 in the segment B with the diameter D_1 forms the positive fit (5).

2. Shaft-hub connection according to claim 1, characterized in that between the segments A and B one other segment D is located which has a diameter d_3 smaller than the diameter d_1 .

3. Shaft-hub connection according to claim 2, characterized in that the toothed segment B has one knurled toothing (5) with a root diameter d_F and that d_3 is $\leq d_F$.

4. Shaft-hub connection according to claim 1 or 2, characterized in that the centering segment C changes over to shaft collar (10) which abuts on a front face (12) of the hub (3).